

ABSTRACT OF THE DISCLOSURE

TOPOGRAPHIC GENOTYPING

The present invention pertains to a method for topographic genotyping. The method comprises the steps of placing a biological specimen having DNA of a patient under a microscope. Then there is the step of inspecting the biological specimen microscopically with the microscope. Next there is the step of choosing a microscope size target on the biological specimen based on its histopathologic characteristics. Next there is the step of separating the target from the specimen. Then there is the step of obtaining DNA sequences from the target so the DNA sequences can be amplified. Next there is the step of amplifying the DNA sequences. Then there is the step of detecting mutations in the DNA sequences. The present invention pertains to a method for topographic genotyping. The method comprises the steps of separating a section from a specimen of fixative treated tissue. Then there is the step of obtaining DNA sequences from the section. Next there is the step of amplifying the DNA sequences by cyphaling them in a PCR machine, with each cycle heating them to a temperature no greater than 99°C, and then back to a temperature of 55°C in 5 minutes. Next there is the step of detecting mutations in the DNA sequences. Preferably, the separating step includes the step of cutting one to three 2-6 micron thick histeologic sections from the specimen.